

## Common Core Standards - Resource Page

The resources below have been created to assist teachers' understanding and to aid instruction of this standard.

Domain	<b>Standard:</b> 5.G.2 - Represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation.
<b><u>Geometry</u></b> <b>Graph points on the coordinate plane to solve real-world and mathematical problems.</b>	<p><u>Questions to Focus Learning</u></p> <p>What are the aspects of coordinate system? How can we use coordinate systems to display data?</p> <p>Coordinate systems are used to display data points on a plane and represent algebraic expressions.</p> <p><u>Student Friendly Objectives</u></p> <p><i>Knowledge Targets</i></p> <p>I know the first quadrant is one of four on a greater coordinate plane.  I know the first quadrant plane contains only positive numbers.  I know coordinate values can represent real world values and the connections between them.</p> <p><i>Reasoning Targets</i></p> <p>I can explain the connections between the coordinate values of plotted points.</p> <p><i>Product Targets</i></p> <p>I can graph real world problems.</p> <p><u>Vocabulary</u></p> <p>coordinate plane  coordinate values  quadrant</p>

	<p><u>Teacher Tips</u></p> <p><a href="#">Math Core Principles Newsletter 5.OA.3</a></p> <p><u>Vertical Progression</u></p> <p>6.NS.8-1 - Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane.</p> <p>6.NS.8-2 - Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate.</p> <p>6.G.3-1 - Draw polygons in the coordinate plane given coordinates for the vertices; use coordinates to find the length of a side joining points with the same first coordinate or the same second coordinate.</p> <p>6.G.3-2 - Apply the techniques of locating vertices of polygons in the coordinate plane and finding lengths of sides of polygons in the context of solving real-world and mathematical problems.</p>
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The above information and more can be accessed for free on the [Wiki-Teacher](#) website.

Direct link for this standard: [5.G.2](#)